

JOURNAL OF
Neurobiology

Volume 58. Index. 2004

JOURNAL OF Neurobiology

Editors

Eduardo Macagno
University of California, San Diego
La Jolla, California 92093
Darcy B. Kelley
Columbia University
New York, New York 10027

William A. Harris
University of Cambridge
Cambridge CB2 3DY, United Kingdom
Moses V. Chao
Skirball Institute
New York University Medical Center
New York, New York 10016

Editorial Board

Arturo Alvarez-Buylla
University of California
San Francisco, CA 94143

Silvia Arber
University of Basel
Basel 4056, Switzerland

Arthur P. Arnold
University of California
Los Angeles, CA 90024

Michael Bate
University of Cambridge
Cambridge CB2 3EJ
United Kingdom

Mark Bothwell
University of Washington
Seattle, WA 98195

Paola Bovolenta
Instituto Cajal, CSIC
Madrid 28002, Spain

Marianne Bronner-Fraser
California Institute of Technology
Pasadena, CA 91125

Linda Buck
Fred Hutchinson Cancer
Research Center
Seattle, WA 98109

Pietro Calissano
Institute of Neurobiology
Consiglio Nazionale Ricerche
00137 Rome, Italy

Hollis Cline
Cold Spring Harbor
Laboratory, Cold Spring
Harbor, NY 11724

Chris Q. Doe
University of Oregon
Eugene, OR 97403

Allison J. Doupe
University of California
San Francisco, CA 94143

Donna M. Fekete
Purdue University
West Lafayette, IN 47907

Gerald D. Fischbach
Columbia University
New York, NY 10032

Fred. H. Gage
The Salk Institute
San Diego, CA 92186

Michael D. Gershon
Columbia University
New York, NY 10032

Joel C. Glover
University of Oslo
0317 Oslo, Norway

Sarah Guthrie
King's College London
London SE1 1UL, United
Kingdom

Volker Hartenstein
University of California
Los Angeles, CA 90095

Robert K. Ho
University of Chicago
Chicago, IL 60637

Christine Holt
University of Cambridge
Cambridge CB2 3DY
United Kingdom

Chaya Kalcheim
Hebrew University of
Jerusalem
Jerusalem 91120, Israel

Cynthia Lance-Jones
University of Pittsburgh
School of Medicine
Pittsburgh, PA 15261

Paul Letourneau
University of Minnesota
Minneapolis, MN 55455

Jeff W. Lichtman
Washington University
School of Medicine
St. Louis, MO 63110

Andrew Lumsden
United Medical and Dental
Schools, Guy's Hospital,
London S31 9RT, United
Kingdom

Eve E. Marder
Brandeis University
Waltham, MA 02254

Susan McConnell
Stanford University
Stanford, CA 94305

Kenneth J. Muller
University of Miami School
of Medicine
Miami, FL 33101

Rodney K. Murphey
University of Massachusetts
Amherst, MA 01003

Ronald W. Oppenheim
Wake Forest University
Winston-Salem, NC 27103

Carla J. Shatz
Harvard Medical School
Boston, MA 02115

Jerry Silver
Case Western Reserve
University
Cleveland, OH 44106

Claudia A. O. Stuermer
Universität Konstanz
Konstanz, D-78343
Germany

Janis C. Weeks
University of Oregon
Eugene, OR 97403

Kalpana White
Brandeis University
Waltham, MA 02254

Stephen W. Wilson
University College London
London WC1E 6BT
United Kingdom

Rafael Yuste
Columbia University
New York, NY 10027

Founding Editor: Sid Ochs

Managing Editor, John Wiley: Elizabeth McAlpine

Editorial Production, John Wiley: Lillian Solondz

Journal of Neurobiology (Print ISSN 0022-3034; online ISSN 1097-4695 at Wiley Interscience, www.interscience.wiley.com) is published monthly except in February, and September when it is published semi-monthly, four volumes per year, by Wiley Subscription Services, Inc., a Wiley Company, 111 River Street, Hoboken, NJ 07030.

Copyright © 2004 Wiley Periodicals, Inc., a Wiley Company. All rights reserved. No part of this publication may be reproduced in any form or by any means, except as permitted under section 107 or 108 of the 1976 United States Copyright Act, without either the prior written permission of the publisher, or authorization through the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, (978) 750-8400, fax (978) 750-4470. Periodicals postage paid at Hoboken, NJ, and at additional mailing offices.

The copyright notice appearing at the bottom of the first page of an article in the journal indicate the copyright holder's consent that copies may be made for personal or internal use, or for the personal or internal use of specific clients, on the condition that the copier pay for copying beyond that permitted by law.

This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. Such permission requests and other permission inquiries should be addressed to the Permissions Dept.

Subscription price (Volumes 58-61, 2004): Print only: \$3,840.00 in US, \$3,980.00 in Canada and Mexico, \$4,099.00 outside North America. Electronic only: \$3,840.00 worldwide. A combination price of \$4,224.00 in US, \$4,364.00 in Canada and Mexico, \$4,483.00 outside North America, includes the subscription in both electronic and print formats. Personal rate: \$415.00 in North America, and \$511.00 in rest of world. Subscriptions at the personal rate are available to individuals. All subscriptions containing a print element, shipped outside US, will be sent by air. Payment must be made in

US dollars drawn on a US bank. Claims for undelivered copies will be accepted only after the following issue has been delivered. Please enclose a copy of the mailing label. Missing copies will be supplied when losses have been sustained in transit and where reserve stock permits. Please allow four weeks for processing a change of address. For subscription inquiries, please call (201) 748-6645; E-mail: SUB-INFO@wiley.com

Postmaster: Send address changes to *Journal of Neurobiology*, Subscription Distribution, c/o John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030.

Advertising Sales: Inquiries concerning advertising should be forwarded to Advertising Sales Manager, c/o John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030; (201) 748-8832. Advertising Sales, European Contact: Jackie Sibley, c/o John Wiley & Sons, Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England. Tel: 44 1234 770 351; Fax: 44 1234 770 432; e-mail: adsales@wiley.co.uk.

Reprints: Reprint sales and inquiries should be directed to the customer service department, c/o John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030; (201) 748-8789.

Other correspondence: Address all other correspondence to: *Journal of Neurobiology*, Publisher, c/o John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030.

The contents of this journal are indexed in the following: *Biological Abstracts/BIOSIS*, *Chemical Abstracts*, *Current Awareness in Biological Sciences (CABS)*, *Current Contents/Life Sciences*, *EMBASE/Excerpta Medica*, *Index Medicus/MEDLINE*, *Reference Update*, *Research Alert (ISI)*, *Science Citation Index (ISI)*, *SciSearch Database (ISI)*, and *Social Sciences Citation Index/Social SciSearch (ISI)*.

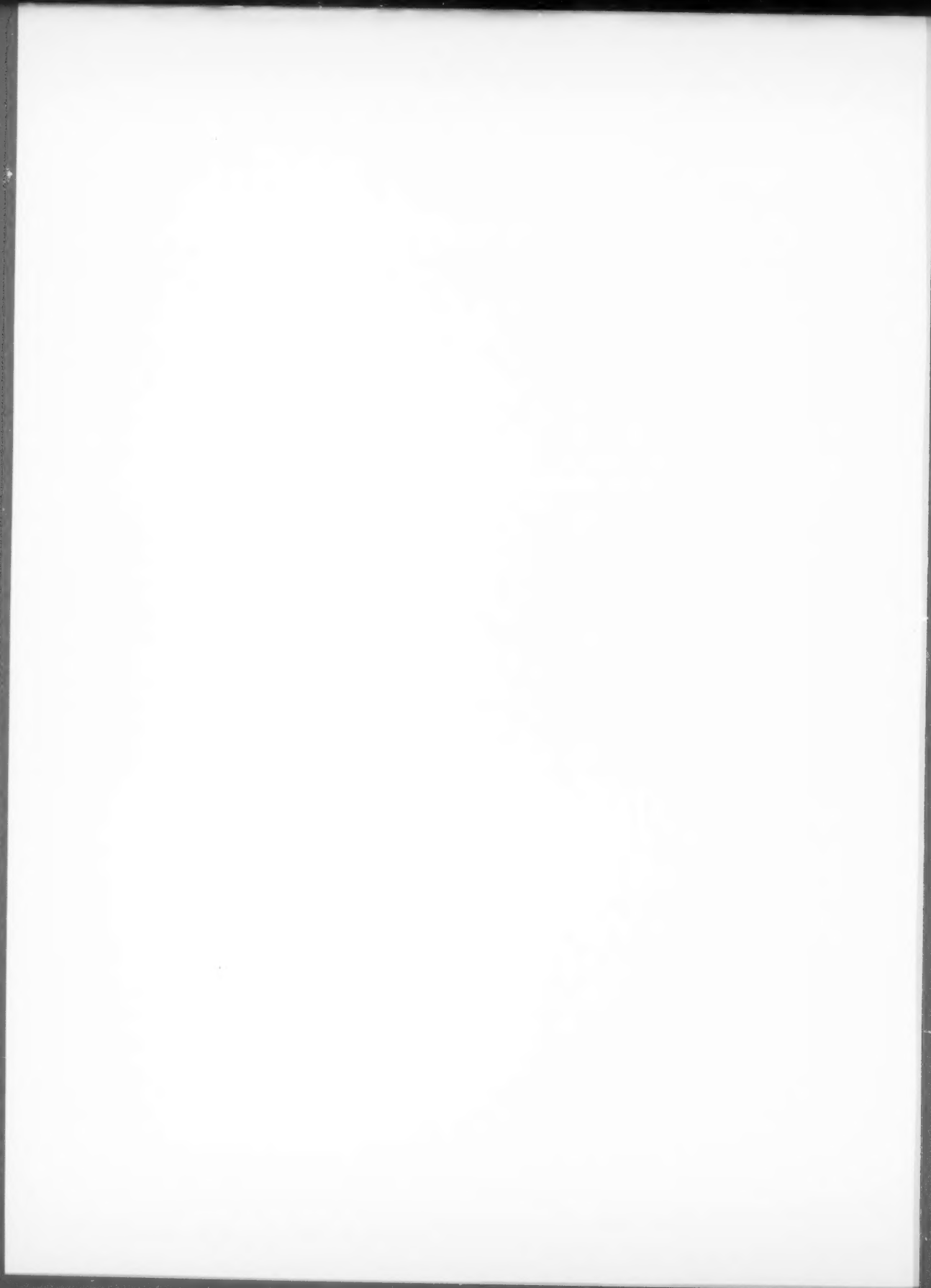
JOURNAL OF Neurobiology

Author Index to Volume 58

- Ando, H.:** see Sadamoto, H.
Aonuma, H.: see Sadamoto, H.
Arimura, N., Menager, C., Fukata, Y., Kaibuchi, K.: Role of CRMP-2 in Neuronal Polarity, 34
Avila, J.: see Gonzalez-Billault, C.
Awaji, M.: see Sadamoto, H.
- Baas, P. W., Buster, D. W.:** Slow Axonal Transport and the Genesis of Neuronal Morphology, 3
Baas, P. W., Letourneau, P.: Introduction, 1
Bamburg, J. R.: see Sarmiere, P. D.
Barnhart, L. E.: see Vallee, R. B.
Bielas, S. L., Gleeson, J. G.: Cytoskeletal-Associated Proteins in the Migration of Cortical Neurons, 149
Bondallaz, P.: see Grenningloh, G.
Brenowitz, E. A.: see Soma, K. K.
Bridgman, P. C.: Myosin-Dependent Transport in Neurons, 164
Bridgman, P. C.: see Brown, M. E.
Brown, J. R., Stafford, P., Langford, G. M.: Short-Range Axonal/Dendritic Transport by Myosin-V: A Model for Vesicle Delivery to the Synapse, 175
Brown, M. E., Bridgman, P. C.: Myosin Function in Nervous and Sensory Systems, 118
Burlingame, A. L.: see Perlson, E.
Buster, D. W.: see Baas, P. W.
- Caceres, A.:** see Gonzalez-Billault, C.
Cadas, H.: see Grenningloh, G.
Campanot, R. B., MacInnis, B. L.: Retrograde Transport of Neurotrophins: Fact and Function, 217
Chao, M. V., Schiavo, G.: Motors, Adaptors, and Receptors: Key Elements of Neuronal Transport, 161
Chao, M. V.: see Yano, H.
Chen, Y.: see Fenstermaker, V.
Cohan, C. S.: see Zhou, F.-Q.
- Dehmelt, L., Halpain, S.:** Actin and Microtubules in Neurite Initiation: Are MAPs the Missing Link? 18
Derby, C. D.: see Stoss, T. D.
Diaz-Nido, J.: see Gonzalez-Billault, C.
- Fainzilber, M.:** see Perlson, E.
Fasolo, A.: see Giachino, C.
Featherstone, J.: see Soma, K. K.
Feeney, L.: see Reynolds, E. R.
Fenstermaker, V., Chen, Y., Ghosh, A., Yuste, R.: Regulation of Dendritic Length and Branching by Semaphorin 3A, 403
Fenstermaker, V., Chen, Y., Ghosh, A., Yuste, R.: Regulation of Dendritic Length and Branching by Semaphorin 3A, 423
Firestein, S.: see Otaki, J. M.
Fleming, M. R.: see Schmidt, J. T.
Fox, L. E.: see Saraswati, S.
Fujito, Y.: see Sadamoto, H.
Fukata, Y.: see Arimura, N.
- Galbiati, M.:** see Giachino, C.
Gallo, G., Letourneau, P. C.: Regulation of Growth Cone Actin Filaments by Guidance Cues, 92
Ghosh, A.: see Fenstermaker, V.
Giachino, C., Galbiati, M., Fasolo, A., Peretto, P., Melcangi, R. C.: Effects of Progesterone Derivatives, Dihydroprogesterone and Tetrahydroprogesterone, on the Subependymal Layer of the Adult Rat, 493
Gleeson, J. G.: see Bielas, S. L.
Goldstein, L. S. B.: see Gunawardena, S.
Gonzalez-Billault, C., Jimenez-Mateos, E. M., Caceres, A., Diaz-Nido, J., Wandosell, F., Avila, J.: Microtubule-Associated Protein 1B Function during Normal Development, Regeneration, and Pathological Conditions in the Nervous System, 48
Gordon-Weeks, P. R.: Microtubules and Growth Cone Function, 70
Grant, P., Pant, H. C.: Topographic Regulation of Phosphorylation in Giant Neurons of the Squid, *Loligo pealei*: Role of Phosphatases, 514
Grenningloh, G., Soehrmann, S., Bondallaz, P., Ruchti, E., Cadas, H.: Role of the Microtubule Destabilizing Proteins SCG10 and Stathmin in Neuronal Growth, 60
Gunawardena, S., Goldstein, L. S. B.: Cargo-Carrying Motor Vehicles on the Neuronal Highway: Transport Pathways and Neurodegenerative Disease, 258
- Halpain, S.:** see Dehmelt, L.
Hamano, K.: see Sadamoto, H.
Hanz, S.: see Perlson, E.
Hardin, D.: see Stoss, T. D.
Hayasaka, T.: see Setou, M.
Hendry, I. A.: see Weible, M. W., II
Howe, C. L., Mobley, W. C.: Signaling Endosome Hypothesis: A Cellular Mechanism for Long Distance Communication, 207
- Inoue, T.:** see Murakami, M.
Isaac, R. E.: see Taylor, C. A. M.

- Ishihara, T.: see Miyahara, K.
 Ito, E.: see Sadamoto, H.
- Jablonka, S., Wiese, S., Sendtner, M.: Axonal Defects in Mouse Models of Motoneuron Disease, 272
 Jacobs, B.: see Reynolds, E. R.
 Jimenez-Mateos, E. M.: see Gonzalez-Billault, C.
 Julien, J.-P.: see Lariviere, R. C.
- Kaibuchi, K.: see Arimura, N.
 Katsura, I.: see Miyahara, K.
 Kirino, Y.: see Murakami, M.
 Kobayashi, S.: see Sadamoto, H.
 Kozicz, T.: see van de Bovenkamp-Janssen, M. C.
 Kuipers-Kwant, F. J.: see van de Bovenkamp-Janssen, M. C.
- Langford, G. M.: see Brown, J. R.
 Lariviere, R. C., Julien, J.-P.: Functions of Intermediate Filaments in Neuronal Development and Disease, 131
 Letourneau, P.: see Baas, P. W.
 Letourneau, P. C.: see Gallo, G.
 Leu, B.: see Schmidt, J. T.
 Lukowiak, K.: see Sadamoto, H.
- MacInnis, B. L.: see Campenot, R. B.
 McClintock, T. S.: see Stoss, T. D.
 McEnery, M. W.: see van de Bovenkamp-Janssen, M. C.
 McKeever, C.: see Reynolds, E. R.
 Medzhradszky, K. F.: see Perlson, E.
 Melcangi, R. C.: see Giachino, C.
 Menager, C.: see Arimura, N.
 Miyahara, K., Suzuki, N., Ishihara, T., Tsuchiya, E., Katsura, I.: TBX2/TBX3 Transcriptional Factor Homologue Controls Olfactory Adaptation in *Caenorhabditis elegans*, 392
 Mobley, W. C.: see Howe, C. L.
 Murakami, J.: see Sadamoto, H.
 Murakami, M., Watanabe, S., Inoue, T., Kirino, Y.: Odor-Evoked Responses in the Olfactory Center Neurons in the Terrestrial Slug, 369
- Nässel, D. R.: see Taylor, C. A. M.
 Nickell, M. D.: see Stoss, T. D.
 Nordeen, E. J.: see Scott, L. L.
 Nordeen, K. W.: see Scott, L. L.
- Otaki, J. M., Yamamoto, H., Firestein, S.: Odorant Receptor Expression in the Mouse Cerebral Cortex, 315
- Pant, H. C.: see Grant, P.
 Peretto, P.: see Giachino, C.
 Perlson, E., Hanz, S., Medzhradszky, K. F., Burlingame, A. L., Fainzilber, M.: From Snails to Sciatic Nerve: Retrograde Injury Signaling from Axon to Soma in Lesioned Neurons, 287
- Reynolds, E. R., Stauffer, E. A., Feeney, L., Rojahn, E., Jacobs, B., McKeever, C.: Treatment with the Antiepileptic Drugs Phenytoin and Gabapentin Ameliorates Seizure and Paralysis of *Drosophila* Bang-Sensitive Mutants, 503
 Rojahn, E.: see Reynolds, E. R.
- Roubos, E. W.: see van de Bovenkamp-Janssen, M. C.
 Ruchti, E.: see Grenningloh, G.
 Rudzinski, M., Wong, T.-P., Saragovi, H. U.: Changes in Retinal Expression of Neurotrophins and Neurotrophin Receptors Induced by Ocular Hypertension, 341
- Sadamoto, H., Sato, H., Kobayashi, S., Murakami, J., Aonuma, H., Ando, H., Fujito, Y., Hamano, K., Awaji, M., Lukowiak, K., Urano, A., Ito, E.: CREB in the Pond Snail *Lymnaea stagnalis*: Cloning, Gene Expression, and Function in Identifiable Neurons of the Central Nervous System, 455
 Saragovi, H. U.: see Rudzinski, M.
 Saraswati, S., Fox, L. E., Soll, D. R., Wu, C.-F.: Tyramine and Octopamine Have Opposite Effects on the Locomotion of *Drosophila* Larvae, 425
 Sarmiere, P. D., Bamburg, J. R.: Regulation of the Neuronal Actin Cytoskeleton by ADF/Cofilin, 103
 Sato, H.: see Sadamoto, H.
 Scheenen, W. J. J. M.: see van de Bovenkamp-Janssen, M. C.
 Schiavo, G.: see Chao, M. V.
 Schmidt, J. T., Fleming, M. R., Leu, B.: Presynaptic Protein Kinase C Controls Maturation and Branch Dynamics of Developing Retinotectal Arbores: Possible Role in Activity-Driven Sharpening, 328
 Scott, L. L., Singh, T. D., Nordeen, E. J., Nordeen, K. W.: Developmental Patterns of NMDAR Expression within the Song System Do Not Recur during Adult Vocal Plasticity in Zebra Finches, 442
 Sendtner, M.: see Jablonka, S.
 Setou, M., Hayasaka, T., Yao, I.: Axonal Transport versus Dendritic Transport, 201
 Shirras, A. D.: see Taylor, C. A. M.
 Simmons, D. D.: see Yang, D.
 Singh, T. D.: see Scott, L. L.
 Siviter, R. J.: see Taylor, C. A. M.
 Soehrman, S.: see Grenningloh, G.
 Soll, D. R.: see Saraswati, S.
 Soma, K. K., Tramontin, A. D., Featherstone, J., Brenowitz, E. A.: Estrogen Contributes to Seasonal Plasticity of the Adult Avian Song Control System, 413
 Stafford, P.: see Brown, J. R.
 Stauffer, E. A.: see Reynolds, E. R.
 Stoss, T. D., Nickell, M. D., Hardin, D., Derby, C. D., McClintock, T. S.: Inducible Transcript Expressed by Reactive Epithelial Cells at Sites of Olfactory Sensory Neuron Proliferation, 355
 Suzuki, N.: see Miyahara, K.
- Taylor, C. A. M., Winther, Å. M. E., Siviter, R. J., Shirras, A. D., Isaac, R. E., Nässel, D. R.: Identification of a Proctolin Preprohormone Gene (*Proct*) of *Drosophila melanogaster*: Expression and Predicted Prohormone Processing, 379
 Thalmann, I.: see Yang, D.
 Thalmann, R.: see Yang, D.
 Tramontin, A. D.: see Soma, K. K.
 Tsuchiya, E.: see Miyahara, K.
- Urano, A.: see Sadamoto, H.

- Vallee, R. B., Williams, J. C., Varma, D., Barnhart, L. E.: Dynein? An Ancient Motor Protein Involved in Multiple Modes of Transport, 189
- van de Bovenkamp-Janssen, M. C., Scheenen, W. J. J. M., Kuijpers-Kwant, F. J., Kozicz, T., Veening, J. G., van Luitelaar, E. L. J. M., McEnery, M. W., Roubos, E. W.: Differential Expression of High Voltage-Activated Ca^{2+} Channel Types in the Rostral Reticular Thalamic Nucleus of the Absence Epileptic WAG/Rij Rat, 467
- van Luitelaar, E. L. J. M.: see van de Bovenkamp-Janssen, M. C.
- Varma, D.: see Vallee, R. B.
- Veening, J. G.: see van de Bovenkamp-Janssen, M. C.
- von Bartheld, C. S.: Axonal Transport and Neuronal Transcytosis of Trophic Factors, Tracers, and Pathogens, 295
- Wandosell, F.: see Gonzalez-Billault, C.
- Watanabe, S.: see Murakami, M.
- Weible, M. W., II, Hendry, I. A.: What Is the Importance of Multivesicular Bodies in Retrograde Axonal Transport *In Vivo*? 230
- Wiese, S.: see Jablonka, S.
- Williams, J. C.: see Vallee, R. B.
- Winther, A. M. E.: see Taylor, C. A. M.
- Wong, T.-P.: see Rudzinski, M.
- Wu, C.-F.: see Saraswati, S.
- Yamamoto, H.: see Otaki, J. M.
- Yang, D., Thalmann, I., Thalmann, R., Simmons, D. D.: Expression of α and β Parvalbumin Is Differentially Regulated in the Rat Organ of Corti during Development, 479
- Yano, H., Chao, M. V.: Mechanisms of Neurotrophin Receptor Vesicular Transport, 244
- Yao, L.: see Setou, M.
- Yuste, R.: see Fenstermaker, V.
- Zhou, F.-Q., Cohan, C. S.: How Actin Filaments and Microtubules Steer Growth Cones to Their Targets, 84



JOURNAL OF Neurobiology

Subject Index to Volume 58

- AAA ATPase, 189
ACI rat, 467
Actin, 3, 18, 118, 164
Actin bundles, 84
Actin filaments, 92, 175
Adaptation, 392
ADF, 103
Amyotrophic lateral sclerosis, 131
Antiepileptic drugs, 503
Antimicrobial protein, 355
Apoptosis, 217
Aromatase, 413
Associative learning, 455
Auditory periphery, 479
Axon, 3, 34, 201, 207, 287, 514
Axon elongation, 272
Axon guidance, 84
Axonal caliber, 131
Axonal motor proteins, 272
Axonal outgrowth, 131
Axonal transport, 164, 175, 244, 258
Axonogenesis, 48
- Bang-sensitive, 503
 β -actin mRNA transport, 272
Biogenic amines, 425
Birdsong, 442
Bisindolylmaleimide, 328
Brain, 413
- C. elegans*, 392
C kinase, 328
Calcium, 207
Calcium-binding proteins, 479
Calphostin C, 328
Ca_v1.3-channels, 467
Ca_v2.1-channels, 467
Ca_v2.2-channels, 467
Ca_v2.3-channels, 467
Cell proliferation, 493
Centrosome, 149
Cerebral cortex, 315
Cerebral giant cell, 455
Clathrin-coated vesicle, 207
Coding, 369
Cofilin, 103
Cortex, 403
Cortex development, 149
Crawling, 425
- CRMP-2, 34
Cyclic AMP, 455
Cytoplasmic dynein, 3
Cytoskeleton, 92, 103, 118, 131, 149, 164
- DAG lipase, 328
Deafening, 442
Dendrite, 3, 34, 201, 403
Development, 103, 118
DIAS, 425
Diffusion, 207
DiO, 328
Double immunofluorescence, 467
Drosophila, 503
Drug delivery, 295
Dynein, 189, 258
- Early endosome, 207
Efferent innervation, 479
Endocytosis, 230
Endoproteolytic processing, 379
Endosome, 230
Estradiol, 413
- Facilitation, 455
Fadrozole, 413
- Gabapentin, 503
GFP, 403
Glaucoma, 341
Glial tubes, 493
Growth cone, 3, 60, 70, 92
Growth cones, 18
- Hair cell, 479
Hippocampus, 413
Human disease, 258
- Inositol 1,4,5-trisphosphate, 207
Insect nervous system, 379
Intermediate filament, 131
- KIF, 201
Kinase, 514
Kinesin, 3, 175, 258
- Lectin, 295
Lobster, 355
Locomotion, 425
Locomotion control, 425
Long-term memory, 455
- MAP1B, 48
Microtubule, 3, 189
Microtubule dynamics, 60
Microtubule-associated proteins, 18, 70
Microtubules, 18, 70, 84, 164
Molecular motors, 164
Mollusk, 369
Motoneuron disease, 272
Motor, 201, 244
Motor-cargo complexes, 258
Multivesicular bodies, 230
Mutants, 48
Myosin, 3, 118
Myosin-V, 175
- Nerve injury, 287
Neural development, 315
Neural oscillation, 369
Neurite outgrowth, 60
Neurites, 18
Neuroactive steroids, 493
Neurodegenerative disease, 131
Neurofilament, 3, 131, 189
Neurogenesis, 355
Neuron, 3, 103, 118, 207
Neuronal migration, 149
Neuronal polarity, 34
Neuronal survival, 217
Neuropeptide, 379
Neuroplasticity, 413
Neurotrophic, 413
Neurotrophic factor hypothesis, 207
Neurotrophin, 207, 244, 295, 341
Neurotrophins, 217, 230
NGF, 217
NMDA receptor, 328, 442
NR2A, 442
NR2B, 442
Nuclear migration, 149
- Odorant, 392
Odorant receptors, 315
Olfaction, 355, 369

- Olfactory sensory neurons, 315
Oncomodulin, 479
Optic nerve, 341
- Pathfinding, 70, 92
Perforated patch recording, 369
Peripherin, 131
Phenytoin, 503
Phosphorylation, 48, 514
Plus-end complex, 70
Preprohormone, 379
Proctolin, 379
Progesterone metabolites, 493
Protein dynactin, 189
Pyramidal neurons, 315
- Quantitative immunocytochemistry, 467
- Receptor, 341
Receptor trafficking, 244
- Regeneration, 287, 355
Retinal ganglion cell loss, 341
Retinotopic map, 328
Retrograde axonal transport, 230
Retrograde flow, 84
Retrograde signaling, 217
Retrograde transport, 207, 217, 287
Retrograde transport motor, 189
Retrosome, 230
Review, 230
Rho family GTPases, 34
Rho GTPases, 92
- Scaffold, 201
SCG10, 60
Seizure, 503
Sema3A, 403
Signaling endosome hypothesis, 207
Slow axonal transport, 3
Song sparrow, 413
Songbird, 413
- Sorting, 295
Squid, 514
Squid giant axon, 175
Stathmin, 60
Stereotypic movement, 425
Steroid, 413
Subependymal layer, 493
Synaptic plasticity, 328
Syntaxin, 467
- T-box, 392
Testosterone, 413, 442
Transcriptional factor, 392
Transport, 201
Transsynaptic tracer, 295
Trk, 217
Tubulin specific chaperones, 272
Tyrosine phosphatase, 514
- Vesicle transport, 175
Videomicroscopy, 328

